

# INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU03/01266**

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
Int. Cl. <sup>7</sup> : A61K 38/16, A61P 35/00, C12N 15/12, A01K 67/00, A01K 67/027					
According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b>					
Minimum documentation searched (classification system followed by classification symbols) <b>REFER TO ELECTRONIC DATABASE CONSULTED BELOW</b>					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) <b>DWPI and MEDLINE. Keywords: galanin, mammary, epithelial, estrogen or oestrogens, estradiol, transgenic, cancer or tumour or hyperproliferate</b>					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
P,X	NAYLOR, MJ et al. The neuropeptide galanin augments lobuloalveolar development. J. Biol. Chem. 1 <sup>st</sup> August 2003, vol. 278 (31), pages 29145-29152 Page 29146, col. 2, page 29148, col. 2, paragraph 4 & 5 and page 29151, col 1 and 2	1-4, 17-22			
X	WYNICK, D et al. Galanin regulates prolactin release and lactotroph proliferation. Proc. Natl. Acad. Sci. USA. October 1998, vol. 95, pages 12671-12676 Abstract, page 12671, col. 2, lines 4-12 and page 12675, col. 1, last paragraph	1-4, 17-22			
X	US 6 414 220 A (VRONTAKIS) 2 July 2002 Col. 5, paragraph 2, col. 9, lines 19-21	36-39			
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex					
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width: 33%; vertical-align: top;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p> </td> <td style="width: 33%;"></td> </tr> </table>			<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>	
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>				
Date of the actual completion of the international search <b>4 November 2003</b>		Date of mailing of the international search report <b>14 NOV 2003</b>			
Name and mailing address of the ISA/AU  AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  <b>G.J. MCNEICE</b> Telephone No : (02) 6283 2055			

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01266

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Steiner, RA et al. Galanin transgenic mice display cognitive and neurochemical deficits characteristic of Alzheimer's disease. Proc. Natl. Acad. Sci. USA. 27 March 2001, Vol. 98(7), pages 4184-4189	36
X	Cai, A et al. Targeted overexpression of galanin in lactotrophs of transgenic mice induces hyperprolactinemia and pituitary hyperplasia. Endocrinology. November 1999, Vol.140(11), pages 4955-4964	36
P,A	WO 03/018770 A (TULARIK INC.) 6 March 2003 Whole document	
A	WO 97/26853 A (SYNAPTIC PHARMACEUTICAL CORP.) 31 July 1997 Whole document	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01266

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
US	6 414 220		
WO	03/018770	US	2003092042
WO	97/26853	AU	18427/97
		EP	0 819 167
END OF ANNEX			